

**In the Claims:**

1-2. (Canceled)

3. (Currently Amended) A method according to Claim ~~[[1]]~~ 12, wherein, when there are more than one location request for the target UE in activated state, step A is repeated until privacy check for all the location requests for the target UE in activated state have been completed.

4. (Previously Presented) A method according to Claim 12, wherein the performing a privacy check for a location request in step A comprises:

for the location request, the LCS system performing a privacy check based on the updated privacy profile of the target UE, comparing the saved information of the location request with the current privacy profile of the target UE, deciding whether the saved information of the location request satisfies the condition of the current target UE's privacy profile to allow the location information of the target UE to be provided to the LCS client, if the condition is satisfied, the location request will pass the privacy check; otherwise, the location request will not pass the privacy check.

5. (Previously Presented) A method according to Claim 12, wherein the type of said location request is a UE available event, and the step C comprises the steps of:

C11. the Gateway Mobile Location Center (GMLC) initiates to the Core Network (CN) cancellation procedure to the location request carrying the identification of UE available event location request;

C12. the CN deletes the saved information corresponding to the UE available event location request in accordance with the identification of the UE available event location request, and then sends to the GMLC a message of acknowledgement of canceling the UE available event location request;

C13. the GMLC deletes the saved information corresponding to the UE available event location request in accordance with the identification of the UE available event location request.

6. (Previously Presented) A method according to Claim 12, wherein the location request is a change of area event location request, and the step C comprises the steps of:

C21. the Gateway Mobile Location Center (GMLC) initiating to the Core Network (CN) cancellation procedure to the location request carrying the identification of change of area event location request, and the CN initiating to the target UE cancellation procedure to the location request carrying the identification of change of area event location request;

C22. the target UE deleting the saved information corresponding to the change of area event location request in accordance with the identification of change of area event location request, and then sending to the CN a message of acknowledgement of cancellation the change of area event location request, and the CN forwarding to the GMLC this message of acknowledgement of cancellation the change of area event location request;

C23. the GMLC deleting the saved information corresponding to the change of area event location request in accordance with the identification of change of area event location request.

7. (Previously Presented) A method according to Claim 5, wherein, after the Step C, the method further comprising: the GMLC sending to the LCS client a notification of cancellation the location request.

8. (Previously Presented) A method according to Claim 12, wherein the procedure of the location service system is aware that the privacy profile of the target UE was updated comprises:

A0. the Privacy Profile Register (PPR) sending to the GMLC of the LCS system an LCS Privacy Profile Update Notification.

9. (Original) A method according to Claim 8, wherein, after the Step A0, the method further comprising: GMLC returning to PPR an LCS Privacy Profile Update Notification ACK.

10. (Previously Presented) A method according to Claim 12, wherein, after the Step C, the method further comprising: the LCS system sending to the LCS client corresponding to the location request a notification of canceling the location request.

11. (Previously Presented) A method according to Claim 6, wherein, after the Step C, the method further comprising: the GMLC sending to the LCS client a notification of cancellation the location request.

12. (Previously Presented) A handling method after updating of privacy profile of a target UE, the method comprising:

A. when the location service (LCS) system is aware that the privacy profile of the target UE was updated, for a location request in activated state against that UE, the LCS system performing a privacy check, if the location request passes the privacy check, going to step B, otherwise going to step C;

B. the LCS system continuing to handle the location request until the end of the handling process of the location request;

C. the LCS system initializing a cancellation procedure to the location request.